

Oxygen & Ozone Cabinets

AquaBioTech Group is an international aquaculture and fisheries services company strategically located in the Mediterranean, on the island of Malta. It operates globally, with clients and projects in over fifty-five countries. Staff are recruited from across the globe, enabling communication with clients in thirteen languages.

AquaBioTech Group undertakes a variety of aquaculture, fisheries, marine surveying, aquatic environmental, financial, and technical projects, performed with its selected, worldwide partners.

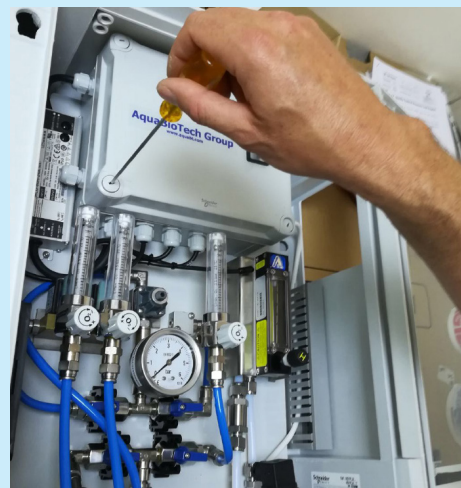
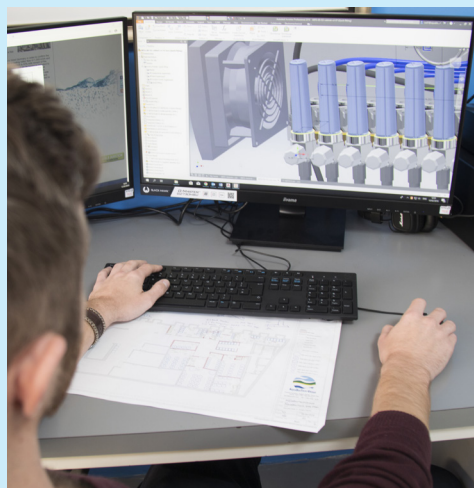


AquaBioTech Group

AquaBioTech Group have developed several highly efficient and cost-effective recirculation aquaculture systems (RAS) for hatchery, brood stock and on-growing operations. Components of the systems that we offer are a result of many years of research and client feedback, including over 15 years of experience in our own 31 research laboratories in Malta.

With almost ten years of experience working with suppliers of oxygen cabinets, **AquaBioTech Group** has gained vast knowledge of the product and has an in-depth understanding of client needs and challenges. As a result of this, **AquaBioTech Group** has used this supply chain knowledge and industry understanding to build our improved version to our own informed design.

Product design was left in the hands of the **AquaBioTech Group's** engineers, each bringing with them a versatile skill set, including mechanical engineering and experience in industrial automation and wastewater treatment.



SOLUTION

AquaBioTech Group has developed a standard range of oxygen cabinets to meet the usual range of requirements. They can be customized to meet your specific requirements and needs, having multiple applications across industry sectors. All work undertaken is designed to produce high performing, and good quality products, that follow International standards.

Oxygen & Ozone Cabinets



As result of our own research and development work, the team at **AquaBioTech Group** has developed Dosing Cabinets and Emergency Dosing Cabinets.

DOSING CABINET

The Dosing Cabinet supplies both oxygen and/or ozone during normal operation. The cabinet has the capacity to introduce oxygen or ozone to the downflow bubble contactors (aeration cones) and dose oxygen to ozone generators. It is possible to adapt the cabinets to the RAS needs in terms of number of channels and flow (with the different working pressures and a selection of orifice sizes). The solenoid valves can also be controlled remotely.

EMERGENCY DOSING CABINET

The Emergency Cabinet supplies only oxygen and fulfills two roles. In case of emergency, such as a power cut, it doses oxygen as a backup. In normal operation it doses oxygen according to the fish lowest acceptable dissolved oxygen levels managed by a controller which can be linked to the monitoring system. These cabinets can have multiple dosing channels at relatively high pressure and flow rate. Oxygen can be delivered directly to the tanks through the network of pipes and air diffusers.



- Customization
- Quality Control
- Water intrusion protection
- Ozone Compatible materials tested in-house
- Expertise



Supply Voltage	115Vac / 230Vac
Flow rate (per channel)	From 0.1- 1L/min to 1-15L/min
Static Pressure	0- 2.3bar (10)
Number of channels	1- 8 (or by request)
IP	IP54 / IP66

The table above shows our standard specifications, however, client requests for customization are also possible.

VALUE PROPOSITION

AquaBioTech Group's offers a competitive product, being reliable and easy to service. The dosing cabinets can be controlled remotely, reducing human intervention time. They are versatile and customizable, and so can be adapted to meet your specific requirements.

AquaBioTech Group offers other services including consultancy on all aspects of RAS projects lifecycle, system design and technical support and installation.